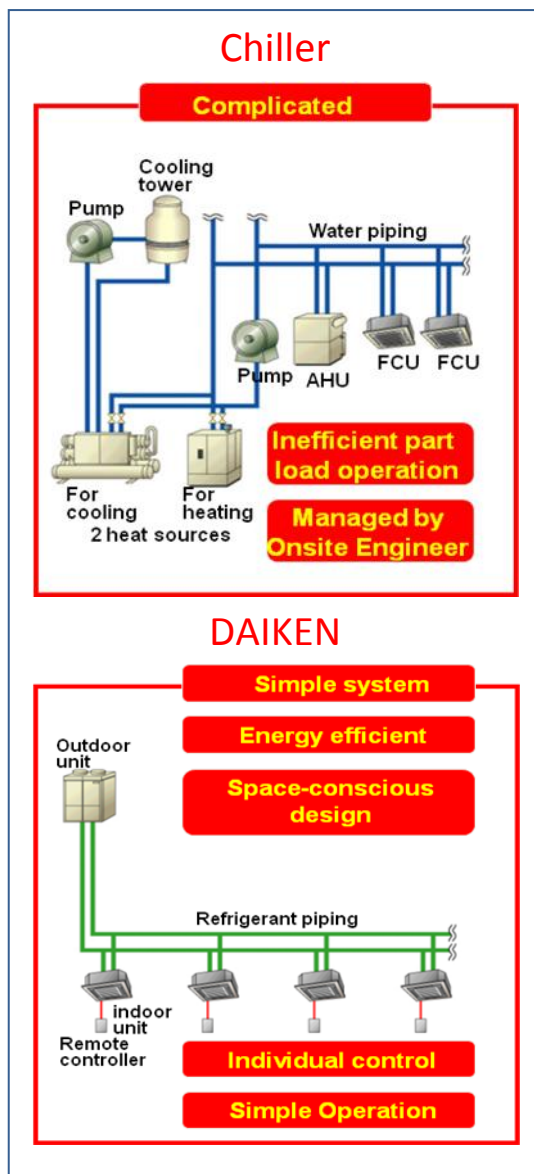


DAIKEN = EFFICIENCY

What is VRV?

VRV (Variable refrigerant Volume) or VRF (Variable Refrigerant Flow) is an air-condition system that modulates refrigerant flow to match loads in a zone. Instead of cooling water or air with refrigerant and pumping these medias to multiple zones, VRV controls the load at the zone with the refrigerant. The Daikin systems have a similar advantage over other VRV technologies.



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www.bchmechanical.com

Lower Operating Cost

In the latest comparison study, the data showed an air cooled chiller, pumps and air handlers used \$26,725 in electricity per year to run; a water cooled chiller, pumps, cooling tower and air handlers used \$23,753 in electricity per year to run; a VRV system used \$23,750 in electricity per year to run; but the Daikin VRV system only used \$16,134 in electricity per year to run. The study was based on electrical cost of \$.10/kWh. This was an **energy savings of between 30 and 40 percent** as well as no water treatment or cooling tower drift (loss) which could be in the \$5,000 plus range per year for a cooling tower of this size.

No Supplemental Heat

The units can still heat a building with the outside temperature as low as 5 degrees F.

Individual Comfort Control Small Fan Coil Dimensions Ease of Maintenance

The Daikin VRV is suitable for any building that chilled water or standard package equipment with VAV is considered.

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